Original/Duplicate/Triplicate

P.W.G. 17 1st and Final bill **CONTRACT CERTIFICATE** Reference paras

NO:

Division Dasarahalli Sub division T.Dasarahalli Date

Bills received No Date Sub-divisional Cash book vr No

Divisional Date

Sheduled Docket No Head of account

Name of work(as per sanctioned estimate) **NAME OF WORK : Improvements to roads and drains at Munikondappa layout in Bagalagunte in ward no. 14**

Work Code

Name of contractor and full address :-

Reference to agreement No : - Estimated cost : 50.00 lakhs Work order No :

Certified that the measurments were taken by me on and recorded on pages 66801 to 66808/2 of measurment book No. 669/2017-18 and the work is satisfactorily executed by the contractor

Signature of contractor

Officer in Charge of Work

Certified that the measurments were taken by me on 30/5/18 and recorded correct.The work is satisfactorily executed

Certified that the quantities of materials shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this security. These materials are of any imperishable nature and are all required by the contractor for immidiate use on the work in connection with items for which rates finished work have been agreed upon.A formal agreement signed and executed by the contractor is recorded in divisional office.

Sub divisional officer

II MEMORANDUM OF PAYMENT

1) Total value of work done or supplies as per A/c within		
2) Deduct amount to be held in reserve being-----percent Rs----------%---------		
3) Balance---		
4) Deduct payments		
a) Amount of previous payment as in divisional/sub divisional cash book vr No--------dated--------S.D No----------Amount adjusted towards cash advance recovery of		
b) Cost of payments/stores or other materials supplied now made recovery of		
Amount paid on this bill by cheque/cash		
Total		
5) Balance being unpaid value of work done held in reserve		
6) Deduct cash of advance made on divisional/sub divisional cash book		
7) Net amount due to or from contractor		
UN ADJUSTED ITEMS		
8) Advance to contractor for materials to site(as detailed within)		
9) Value of government materials supplied.		
TOTAL AMOUNT UN-ADJUSTED		

Contractor's signatures

Received Rs (in words)

For use in the Executive Engineer's office

of payment as per memorandum

(in final settlement of all demand)

Witness

1)

Recieved Stamp

2)

Dated signature of contractor

paid by me cheque No dated

Cash Rs

Date Initials of officer making payment Date Executive Engineer

Sl. No	Items of Work (grouped under sub headsthe sub works of the estimate)	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
1	Earthwork excavation by manual means in Ordinary Soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications with all leads and lifts including Conveying the excavated earth silt, debris and over burden earth etc., to lead of 0 to 9 kms distance by using private vehicle this includes the cost of loading and unloading charges etc., complete as per the direction of Engineer-in-charge of the work.	Cum			591.42	175.96	104066.00	591.42	104066.00
2	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs, with 40 mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, including cost of all materials, labour HOM of machinery curing complete as per specifications. complete as per the direction of Engineer-in-charge of the work	Cum			84.96	5159.02	438310.00	84.96	438310.00
3	Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008- i) Upto 5 m height, complete as per the direction of Engineer-in-charge of the work	Cum			191.13	6965.26	1331270.00	191.13	1331270.00
4	Supplying, fitting and placing TMT bar Fe 500 reinforcement in sub-structure complete as per drawing and Technical Specifications complete as per specifications, complete as per the direction of Engineer-in-charge of the work	tonne			15.07	66482.14	1001886.00	15.07	1001886.00

5	Providing and removing centering, shuttering, strutting, propping etc,. And removal of form work for vertical surface such as walls at any thickness, includig attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications.complete as per the direction of Engineer-in-charge of the work	sqm			1699.20	310.58	527738.00	1699.20	527738.00
6	Supplying and fixing precast reinforced concrete slab 10 cm thick of mix M20 using 20mm and downsize graded granite metal using reinforcement 10mm dia steel at 150mmc/c bothways cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials - Data rate approved by Chief Engineer, Dasarahalli zone complete as per the direction of Engineer-in-charge of the work	sqm			518.40	1698.00	880244.00	518.40	880244.00
7	Providing and fixing Pre cast solid concrete kerb stones made out of No.272.21 CC 1:2:4 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM1:3 plastering and finishing cutting including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, leads and lifts etc.,, complete as per the direction of Engineer-in-charge of the work. complete as per the direction of Engineer-in-charge of the work	Nos			994.00	331.78	329789.00	994.00	329789.00
8	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specificationscomplete as per the direction of Engineer-in-charge of the work	sqm			187.86	63.60	11948.00	187.86	11948.00
9	Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. complete as per the direction of Engineer-in-charge of the work.	sqm			71.50	5.30	379.00	71.50	379.00

10	Providing, laying, spreading and compacting graded stone aggregates to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications, Specification No. 406 with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work	Cum			10.72	1768.08	18954.00	10.72	18954.00
11	KSRRB M600-1: Construction of dry lean cement Concrete mix CC1:5:10 with OPC cement @160kgs, with 25mm and down size graded grnite metal coarse aggragate at 0.86cum and fine aggregates @ 0.58cum sub-base over a prepared sub-grade with (Coarse and fine aggregate conforming to IS:383) aggregate cement ratio not to exceed 15:1 Aggregat gradiation after blending to be asper Table 600-1, cement content not to be less than 160kg/cum, optimum moisture content to be determined during trail length construction, concrete strength not to less than 10Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete s per specifications complete as per the direction of Engineer-in-charge of the work.	Cum			10.72	3986.66	42737.00	10.72	42737.00

12	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 ReaffirmecF2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per	Cum			10.72	6217.96	66657.00	10.72	66657.00
13	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery,screed vibratory,power Floater,blade and disc etc., with all lead and lift complete as per the direction of Engineer-in-charge of the work.	Sqm			71.50	95.40	6821.00	71.50	6821.00
14	Providing groove cutting to concrete pavement for width of 5mm to 10mm and depth 80mm - 100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade, coolant, etc., including cleaning of grove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all amterials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. complete as per the direction of Engineer-in-charge of the work.	Rmt			5.50	121.90	670.00	5.50	670.00
	Total						**4761469.00**		**4761469.00**

Certificate:

Certified that the contractor has work done satisfactorily
The contractor has removed the debries from work site
There is no dept. materials issued to the contractor.

Assistant Engineer
Ward 14

Assistant Executive Engineer
Dasarahalli Sub Division